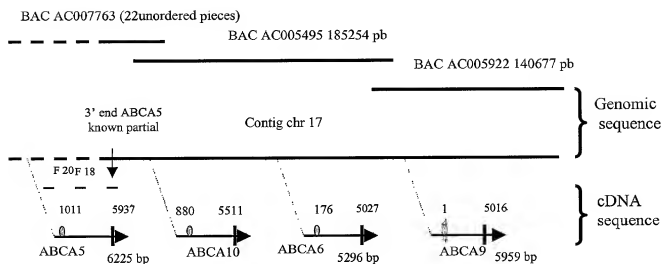


Figure 1 : Cluster ABCA 5,6,9,10 chromosome 17



○ codon initiation ATG

▬ Codon stop

Figure 2

DIALIGN 2.0

Aligned sequences: length:

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=====
1)ABC-A-1-1.pep      2261
2)ABC-A-5-2.pep      1641
3)ABC-A-6-3.pep      1617
4)ABC-A-8-1.pep      1581
5)ABC-A-9-3.pep      1624

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Alignment (DIALIGN format):

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=====
ABC-A-1-1.  1  -----MAC  WQQLRLLLNK  NLTPRRRQTC  QLLEVAWPL  FIFLILISVr
ABC-A-5-2.  1  mstaIREVGV  WRQTRLLLK  NYLKKCRTKC  SSVQILFPL  FFLFWLILIs
ABC-A-6-3.  1  MN--MKQKSV  YQQTALLCK  NFLKKWRMKR  ESLEWGLSI  LGLGLCalfs
ABC-A-8-1.  1  mr--KRRKIV  CQQTWALLCK  NFLKKWRMKR  ESLEWGLNSL  LLLLClyiyp
ABC-A-9-3.  1  MS--KRRMSV  GQQTWALLCK  NCLKKWRMKR  QTLLEWLFSP  LVLVFLYLIff

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ABC-A-1-1.  44  lsyppeyeghe  chfpnkamps  agtlpwvggi  icnannpcfr  yptPGSAPGV
ABC-A-5-2.  51  smhpnkk-YE  EVVNI-----  -----E
ABC-A-6-3.  49  smrrvqgf--  -----  -----PGMAFQN
ABC-A-8-1.  49  hs-HQVNDPS  SLITM-----  -----D
ABC-A-9-3.  49  snlHQVHDTP  QMSSM-----  -----D

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ABC-A-1-1.  94  VGNFNKsiva  rlfadarrll  lysqkdtsmk  dmrkvrltlq  qikkessnlk
ABC-A-5-2.  66  LNFMDKFTLS  NL-----  -----
ABC-A-6-3.  64  LGRVDKFNSS  SL-----  -----
ABC-A-8-1.  64  LGRVDTFNES  RF-----  -----
ABC-A-9-3.  65  LGRVDSFNDT  NY-----  -----

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ABC-A-1-1.  144  lqdfldvnet  fsgflyhnls  lpkstvdkml  radvilhkvf  lqgyqlhlts
ABC-A-5-2.  78  -----  -----  -----  -----
ABC-A-6-3.  76  -----  -----  -----  -----
ABC-A-8-1.  76  -----  -----  -----  -----
ABC-A-9-3.  77  -----  -----  -----  -----

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ABC-A-1-1.  194  lcngskseem  iqlgdqevse  lcglprekla  aaervlrnm  dlkpllrll
ABC-A-5-2.  78  -----  -----  -----  -----
ABC-A-6-3.  76  -----  -----  -----  -----
ABC-A-8-1.  76  -----  -----  -----  -----
ABC-A-9-3.  77  -----  -----  -----  -----

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ABC-A-1-1. 244 nstapfpiske laeatktllh slgtlaqelf smrawsdmrq evmfltnvns
 ABC-A-5-2. 78 -----
 ABC-A-6-3. 76 -----
 ABC-A-8-1. 76 -----
 ABC-A-9-3. 77 -----

ABC-A-1-1. 294 sssstqiyqa varivoghpe ggglkiksln wyednnykal fggngteeda
 ABC-A-5-2. 78 -----
 ABC-A-6-3. 76 -----
 ABC-A-8-1. 76 -----
 ABC-A-9-3. 77 -----

ABC-A-1-1. 344 etfydnsttp ycdlmknle espslriiwl alkp1lvsgKI LYTPDTPATR
 ABC-A-5-2. 78 -----IL GYTPVINITs
 ABC-A-6-3. 76 -----MV VYTPISNLTO
 ABC-A-8-1. 76 -----SV VYTPVMTITQ
 ABC-A-9-3. 77 -----VI AFAPBSKITQ

ABC-A-1-1. 394 QVMAEVNKTf qelavfhde gmweelspki wtfmensqem dlvrmlldsr
 ABC-A-5-2. 90 SIMQKVSTdh lpdviiteey TNE-----
 ABC-A-6-3. 88 QIMNKTALAP LLKgtsvlga PHK-----
 ABC-A-8-1. 88 QIMKVASSTP FLAGKEVLGL PDE-----
 ABC-A-9-3. 89 SIMNKVASAP FLKGRTIMGW PDE-----

ABC-A-1-1. 444 dndhfweqql dglidwtaQDI VAF1AKHPED Vqssngsvyt wrefafnetnq
 ABC-A-5-2. 113 -----KEM LTSSLKSPSN FVGVPFKDSM SYELRFFpdm
 ABC-A-6-3. 111 -----THM DEILLENLPY AMGLIFNETP SYKLIFFOGY
 ABC-A-8-1. 111 -----ESI KEPTANYPER IVRVIFNTNY SYHLKFFLLGH
 ABC-A-9-3. 112 -----KSM DELDINYSID AVRVIPTDTF SYHLKFPWSGH

ABC-A-1-1. 494 airtiarfme cvnlkplepi atevwlinks mellderkw agivftgitp
 ABC-A-5-2. 146 ipvssiynds ragcok---SC-----
 ABC-A-6-3. 144 NSPLWKE--D FSAHCNDGYG EFSC-----
 ABC-A-8-1. 144 GMPAKKEHKD HTAHCYSTNE dvyC-----
 ABC-A-9-3. 145 RIPPMKEHRD HSAHCQAVNE KMKC-----

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ABC-A-1-1. 544 gsielphhvk ykirmidnvn ertnkikdgy wdpqpradpfi EDMRYVWGGF
 ABC-A-5-2. 164 -----RAAQYVSSGF
 ABC-A-6-3. 166 -----TLTKYWNRGF
 ABC-A-8-1. 168 -----EVSVPWKKEGF
 ABC-A-9-3. 169 -----EGSEFWKEGF

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ABC-A-1-1. 594 AYLQOVVEQA IIRVLITGtek k-----TGV YMQQMPYpcy vddiflrvms
 ABC-A-5-2. 174 TVLQASIDAA ITQLKTNVSL WKELBSKAV IMGETAVVEI DTFRGVLLI
 ABC-A-6-3. 176 VALQTAINTA IIEITTNHPV MEELMSVTAI TWKILPFTTK NLLANEMPTL
 ABC-A-8-1. 178 VALQAINAA IIEITTNHSV MEELMSVTGK nMKMHSPIGQ SGVITDLYLF
 ABC-A-9-3. 179 VAFQAINAA IIEIATNHSV MEQLMSVTGV HMKILFVFAQ GGVATDFFIF

ABC-A-1-1. 638 rsmplmtla wiysvaviik GIVYEKEARL KETMRINGLD NSILWFSWFI
 ABC-A-5-2. 224 YLVIAFSPFG YFLAIH---- -IVAKKKKI KEFLKINGHL DTAFWLSWVL
 ABC-A-6-3. 226 FFLIHFSPFLV YFISLN---- -VTREKKKS KILMKMGMLQ DSAFWLSWGL
 ABC-A-8-1. 228 SCIIISFSSPI YYASVN---- -VTRERKRM KALMTMGMLR DSAFWLSWGL
 ABC-A-9-3. 229 FCIIISFSTFI YYVSVN---- -VTQERQYI TSLMTMGMLR ESAFWLSWGL

ABC-A-1-1. 688 SSLIPLLVA GLLVVLKLG NLLPYSDPSV VFVFLSVFAV VTILQCFLIS
 ABC-A-5-2. 269 LYTSLLIFLMS LLMAVIATas ILFPQSSSIV IFLLFFLYGL SSVFFALMET
 ABC-A-6-3. 270 YIAGPIFIIS IFITILITPT QIIVKTSFNV ITLFFFLXGL SLVAVFLMS
 ABC-A-8-1. 272 LKAGFIFIMA LFLALVIRST OFTILGSPMV VFSFLXLYGL SLVALAPLMS
 ABC-A-9-3. 273 MYAGFILIMA TLMALIVKSA QIVVLTGFNV VFTFLXLYGL SLITLAPLMS

ABC-A-1-1. 738 TLFGRANLAA acggIITYPTL XLPYVLCV-A WQDYVGFTLK IFASLLSPVA
 ABC-A-5-2. 319 PLFKKSKHVG IV--EFFVTIV afgfiglmil LRSFPKSLV WLFSPFCHCT
 ABC-A-6-3. 320 VLLKKAIVLTN LV--VFLLTL FWGCLGFT-V FYEBQLPSSLE WILNICSPPA
 ABC-A-8-1. 322 ILVKKSFLTG LV--VFLLTV FWGCLGFT-S LYRHLPAFLE WILSLSPFA
 ABC-A-9-3. 323 VLKKKFLTG LV--VFLLTV FWGILGFP-A LYRHLPAFLE WTLCLSPFA

ABC-A-1-1. 787 FGFQGeeyfal feedgigvqw dnifespvee DGFNLITSVS MMLFDTFLYG
 ABC-A-5-2. 367 FVIGIAQVMH LEQFMEGASFP SNLTA---- GPYPLIITII MLTFLNSIFVV
 ABC-A-6-3. 367 FTTGMIQIIK LDYVINGVIF PDPSG---- DSYMTIATPS MLLDGLIYL
 ABC-A-8-1. 369 FMLGMAQLLH LDYDLSNAF PHSFD---- GSNLIVATNF MLATDTCLYL
 ABC-A-9-3. 370 FTVGMAQLIH LDYDVNSNAH LSSQ---- NPYLIATLF MLVFDTLIYL

ABC-A-1-1. 837 VMTWYIEAVF PGQYGIRPFW YFPCTKSYWF geesdeskshp gengkriesei
 ABC-A-5-2. 412 LLAVLYDQVI PGRFGLRRSS LYFLKPSYWS KSRNRYEELS RGNVNENIsf
 ABC-A-6-3. 412 LLALYFDKIL PygderhySP LFLLNSSSCF QHQRNKAIVI EKRIADHPFS
 ABC-A-8-1. 414 ALAIYFEKIL PNEYGHRPP LFLLKSSFWs QTKQKDHVAL EDEMADADPSF
 ABC-A-9-3. 415 VLTLYFDKIL PAEYGHRCSP LFLLKSCFWF QHGRANHVVL ENETDSDDPTF

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ABC-A-1-1. 887 cmeeeptlthk lgvsignlvk vvyrdgmkvav d-----GLA LNFYEQGITS
ABC-A-5-2. 462 seieEPVSSE FVGKEAIRIS GIQKTYRKKG ENVEALRNLS FDIYEGQITA
ABC-A-6-3. 462 DDYFEPVASE FQGKEAIRIR NVKKEYYKGS GRVEALKGLL FDIYEGQITA
ABC-A-8-1. 464 HDSFEQAPPE FQKKEAIRIR NVKKEYYKGS GRVEALKGLL FDIYEGQITA
ABC-A-9-3. 465 NDCFEFVSPE FCGKEAIRIK NLKKEYYAGK ERVEALKGVV FDIYEGQITA

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ABC-A-1-1. 931 FLGHNGAGKT TWSILTGLF PPTSQTAYIL GkdIr--SEM STIRQNLGVC
ABC-A-5-2. 512 ILGHSGTGKS TLMNILGCLG PPSDGFASIY GHRVSEIDEM FEARKMLGIC
ABC-A-6-3. 512 ILGHSGAGKS SLNINILGSL VPTGSGVTIY NKNLSEMDL EIRKIVTGC
ABC-A-8-1. 514 ILGHSGAGKS TLLNILSGLS VPTKGSVTIY NKNLSEMDL ENLSKLTGVC
ABC-A-9-3. 515 ILGHSGAGKT TLLNILSGLS VPTSGSVTIY NHTLSRMADI ENISKFTGFC

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ABC-A-1-1. 979 PQHNVLFDM L TVEEHWFYA RLKGLSEKHV KARMEQMalD vglpesklks
ABC-A-5-2. 562 PQLDIHFDVL TVRENLSILA SIKGIPanni iQEVQKVLLD LDMQTIKDNQ
ABC-A-6-3. 562 PQPNVQFDIL TVKENLSLFA KIKGIHLKEV EQEVQRIILS LDMQNIQDNQ
ABC-A-8-1. 564 PQSNVQFDPL TVRENLELFA KIKGILPQEV -----
ABC-A-9-3. 565 PQSNVQFGFL TVKENLRLFA KIKGILPHEV -----

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ABC-A-1-1. 1029 ktaqlSGGQM RKL$VALAFV GGSK-----
ABC-A-5-2. 612 AKK-L$GQQR RKL$LCIANL GNPK-----
ABC-A-6-3. 612 AKK-L$GQQR RKL$FGITIL GNPQ-----
ABC-A-8-1. 594 ----- -DKE-----
ABC-A-9-3. 595 ----- -RKEVqrvvq elemeniqdi laqnlggqn

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ABC-A-1-1. 1053 ----- -VVILDE PTAGVDPYSR RGIWELLKY RQGRITILST
ABC-A-5-2. 635 ----- -ILLLE PTAGMDPCR H1VWNLKYR KANRVTFVST
ABC-A-6-3. 635 ----- -ILLLE PTGLDPFSR DQVWNLKLR RADRVILFST
ABC-A-8-1. 597 ----- -IFLLE PTAGLDPFSR HQVWNLKER KTRDVILFST
ABC-A-9-3. 624 rkltfgiail gdpqVLLLE PTAGLDPLSR H1VWNLKEG KSDRVILFST

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ABC-A-1-1. 1089 HHMDEADVIG DRIAII$HGK LCCVGS$SLFL KNQLGTGYL TLV$kdvess
ABC-A-5-2. 671 HKMDEADILA DRKAVISQGM LKCVGS$MFL K$KWSIGYRL SMYIDKVC-
ABC-A-6-3. 671 Q$MDEADILA DRKVM$NGR LKAGGS$MFL K$KWSIGYHL SIH$NIC-
ABC-A-8-1. 633 Q$MDEADILA DRKVL$Q$K LKAGGS$MFL K$KWSIGYHL SIH$NIC-
ABC-A-9-3. 674 QFIDEADILA DRKVPISNGK LKAGGS$MFL K$KWSIGYHL SIH$NRC-

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ABC-A-1-1. 1139 lsscrnsst vsylkkedsv sqssdaglg sdhesdclti DVSAISNLIR
ABC-A-5-2. 719 ----- ATESLSLVLK
ABC-A-6-3. 719 ----- NPEQITSFIT
ABC-A-8-1. 681 ----- VERNITSLVK
ABC-A-9-3. 722 ----- DPESITSLVK

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ABC-A-1-1. 1189 XHVSEARLVE DIGHELTVVL PYEakegaf velfheidDR LSDLGISSYG
ABC-A-5-2. 729 QHIPGATLLQ QNDQQLVYSL PFKDMDKPSG LFSAL---DS HSNLGVISYG
ABC-A-6-3. 729 HHIPDAKLKT ENKRELIVYTL PLERTNFPD LFSAL---DK CSQQGVIGYD
ABC-A-8-1. 691 QHIPDAKLSA KSEGLIYTL PLERTNKFPE LYKDL---DS YPDLGIENYG
ABC-A-9-3. 732 QHISDAKLTA QSEKLVYTL PLERTNKFPE LYRDL---DR CSNQGIEDYG

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ABC-A-1-1. 1239 ISETTLEEIF LKVAEESGVD ABtsdgtlpa rnrnrafgdk qscrlpfted
ABC-A-5-2. 776 VSMITLEDVF LKLEVEAEID QADYSVFTQQ PLEREMDSKS FDEMEQSLLI
ABC-A-6-3. 776 ISMSTLNEVF MKLEQGSTIE QDf-----E QVERMIRDSSES LNMELAHSS
ABC-A-8-1. 738 VSMITLNEVF LKLEQKSTIN ESDIATLGEV QAKKADDTTER LVMEQVLLSS
ABC-A-9-3. 779 VSITTLNEVF LKLEQKSTID ESDIGINGQL QTDGAKDIGS LVLEQLVSS

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ABC-A-1-1. 1289 daadpndedi dperetdill sgmdgkgsyq VKGNKLTQQQ FVALIWKRLI
ABC-A-5-2. 826 LSETKASL- ----- VSTMSLWKQQ MYTIAKPHFF
ABC-A-6-3. 820 FSEMOTA- ----- VSDMGLWRMQ VFAMARLRFI
ABC-A-8-1. 788 LNKMRKT- ----- IGGVALWRQQ ICAIARVRLI
ABC-A-9-3. 829 FHETRKT- ----- ISGVALWRQQ VCAIAKVRFL

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ABC-A-1-1. 1339 IARRSRKGFF AQIVLPAVVF CIALVFSLiv ppgkypsls lqpmwyneqy
ABC-A-5-2. 854 TLKRESKSVR SVLLLLLIFF TVQlfmflvh hstknnavPI KLVPDLVPLK
ABC-A-6-3. 847 KLKRQTKVLL TLLLVFGIAI PFLIVENIYY amlnekid-W EPKNELVPLS
ABC-A-8-1. 815 KLKHKRKALL ALLLLIMAGF CPLLVEYTMV KIYQNSYt-W ELSPHLVPLA
ABC-A-9-3. 856 KLKHKRKLW TILLFGISF IPQLLEHLFY ESYQKSY-PW ELSFNYYPLS

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ABC-A-1-1. 1389 tfvsvndaped tgtlellnal tkdpgsgtrc megnpipdtp cqageeewtt
ABC-A-5-2. 904 PGDKP-----
ABC-A-6-3. 896 PGQLP-----
ABC-A-8-1. 864 PGQQP-----
ABC-A-9-3. 905 PGQQP-----

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ABC-A-1-1. 1439 apvpqtimdl fqgnwtmqn pspacqcssd kikkmlpvcp psgagglpppq
ABC-A-5-2. 909 -----
ABC-A-6-3. 901 -----
ABC-A-8-1. 869 -----
ABC-A-9-3. 910 -----

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ABC-A-1-1. 1489 RKQNTADILQ DLTGRNISDY LVKTTYQITA KSLKNkiwm efyrggsalg
ABC-A-5-2. 909 HKYKTSLLLQ NSADGDISDL TSFTTSQNIW VTMINDadyv svap--HSAA
ABC-A-6-3. 901 QEPRTSLLI I NNTESNIEDF IKSLKHONIL LEVDDFENRN GTDGLSYNGA
ABC-A-8-1. 869 HDPLTQLLI I NKTGASIDDF IQSVEHQNIA LEVDAFGTRN GTDDPSYNGA
ABC-A-9-3. 910 QDPLTHLLVI NKTGSTIDNF LSLLRQNIA IEVDAFGTRN GTDDPSYNGA

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ABC-A-1-1. 1539 vantqalpps gevndatkqm kkhklaklds sadrfnlisg rFMTGLDTRN
ABC-A-5-2. 957 L----- NVMHSEKDY
ABC-A-6-3. 951 I----- IVSGKQKDY
ABC-A-8-1. 919 I----- TVCCNEKSY
ABC-A-9-3. 960 I----- IVSGDEKDH

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ABC-A-1-1. 1589 NVKWFNNKRG WHAISSEFNV INNAILRanl gkpenpehyg itafahplnl
ABC-A-5-2. 967 VFAAVENSTM VTSGLPILNMI ISNYLYHLN VTEITQIwet pfqeidtdiv
ABC-A-6-3. 961 RFSVVCNTRK LHCFFPILNMI ISNGLQMFN HTQHIRESS PFLahiglv
ABC-A-8-1. 929 SFSIACNAKR LNCFFVLLMDI VSNGLLGMVK PSVHIRTEKS TFLSngqdnP
ABC-A-9-3. 970 RFSIACNTRK LNCFFVLLDV ISNGLLGMFN SSEHIQDTRS TFFEhmdye

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ABC-A-1-1. 1639 tkqqlaevap mtsvsvdlvs icvifamsfv pasfvfliQ ERVSXAKHLQ
ABC-A-5-2. 1017 fkielyfqaa lligiivtamP PYFAMEN--- AE NHKIKAYTQL
ABC-A-6-3. 1011 tGLPDGSFFL FLVLCSI--S PYITMGS--- IS DYKKNAKSQL
ABC-A-8-1. 979 igflayimFW LVLTSSC--P PYIAMSS--- ID DYKNRARSQL
ABC-A-9-3. 1020 yGYRSNTFFW IPMAASF--T PYIAMSS--- IG DYKKAHSQL

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ABC-A-1-1. 1689 FISGVKPVII WLSNFWMDMC NYVVPATLVI IIFICFOOKS Y-VSSTNLPV
ABC-A-5-2. 1056 KISGLLPSAY WCGQALVDVS LFFILILLML GSLLAFHYGL Yfyvkvf-A
ABC-A-6-3. 1048 WISGLTSPAY WCGQALVDVS FFILILLIMY LIFVYENMAY LIITSQIVFA
ABC-A-8-1. 1016 RISGLSPSAY WFGQALVDVS LYFLVVFVIY LMSYISNFEI MLITihiiq
ABC-A-9-3. 1057 RISGLYPSAY WFGQALVDVS LYFLILLIMQ IMYIISNFEI IIFIqNILLI

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ABC-A-1-1. 1738 LALLLLLYGN SITPIMYPAS FVFKipstay vvltsvnlf i gingsvatfv
 ABC-A-5-2. 1105 VVPCILIGYVP SVILFTYIAS FTFKILINTK EFWSPYISVa alciAITET
 ABC-A-6-3. 1098 LWIVTPGYAA SLVFFTYMIS FIFRKRKNS GWSFYFFfa stimfai---
 ABC-A-8-1. 1066 ip-CAVGYSF SLIFMTYVIS FIFRKRKNS GWSFCFV- ---VTVFSVa
 ABC-A-9-3. 1107 QILCSIGYVS SLVFLTYVIS FIFRKRKNS GWSFFFLI- ---VVFISv

ABC-A-1-1. 1788 lelftdnkl nindilkevf lifphfelgr glidmvnqa madalerfge
 ABC-A-5-2. 1155 FFMGTITAT IRYAPCIIP IYPLGCLIS PIKISwkvv knvdytnpvd
 ABC-A-6-3. 1145 -TLINHFDLS ILITTMVLVP SYTLGSEktf levrddgehyr sfpeanfels
 ABC-A-8-1. 1111 GFAPSIPESD IPFIPTFLIP PATMIGCLFL SSHLISsalf seermvqpv-
 ABC-A-9-3. 1153 aTDLNEYGFL GLFFGTMLIP PFTLIGSLFI FSEISpdsmd ylgaseselv

ABC-A-1-1. 1838 nrfvpslswd lvgrnlfama vevgvfflit vliq---YR FFIRP--RPV
 ABC-A-5-2. 1205 rls-VAVISF YLQCVLWIFL LQYVKKYGG RSIRKDPFFR nletksnRK
 ABC-A-6-3. 1194 atdFLVCFIP YFQTLLEFV V LRCMELKGG KMRKDPVFR ISPQS--RDA
 ABC-A-8-1. 1160 ---FLVFLIP FLHPIIFLEF LRCLEWKGK KMRKDPFFR ISPRS--SDV
 ABC-A-9-3. 1203 ---YLALLIP YLHFLIFLFI LRCLEMNCRK KMRKDPVFR ISPRS--NAI

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ABC-A-1-1. 1882 NAKLSPIANDE DEIVRRERQR ILDGQGNQDI leikeltkiy -----
 ABC-A-5-2. 1284 LPEPPNDE DEIVKARIK VKELMJCQCC EKKPSIMVSN LHKEYDDKKD
 ABC-A-6-3. 1242 KPNPEPID EDEIQTIERI TATALTISIL DEKPVIIASC LHKEYAGQKK
 ABC-A-8-1. 1205 CQNPEPEPR DEDVQMRVR TANALNSTNF DEKPVIIASC LRKEYAGRRK
 ABC-A-9-3. 1248 FPNPEPEPR EDEIQMRMR TVNAMAVRDF DETPVIIASC LRKEYAGKKK

ABC-A-1-1. 1922 ----RRKRKP AVDRICVGIP PGCEFGLLGV NGAGKSSTFK MLTGDTIVTR
 ABC-A-5-2. 1304 FLLSRKVKV ATKYISFCVK KGEILGLIG NGAGKSTIIN ILVGDIEPTS
 ABC-A-6-3. 1292 SCFSKRKKKI AARNISFCVQ GBEILGLIG SGAGKSSIR MISGITKPTA
 ABC-A-8-1. 1255 GCFSKRRNKI ATRNVSPCVR KGEVLGLGH NGAGKSTISK VIIGITKPTA
 ABC-A-9-3. 1298 NCFSKRKIKI ATRNVSPCVK KGEVLGLGH NGAGKSTIK MITGITKPTA

ABC-A-1-1. 1968 GDAPLmnsi lsnievhq- NMGYCQPFDA ITBELLGREH VSPFALLAGV
 ABC-A-5-2. 1354 GQVFLgdyss etseddSLK CMSCPCQNV LNPDTILQEH FEIYGAVKGM
 ABC-A-6-3. 1342 GSEVLKGGG V----IG HIGYCPQENV LNPMTILREH LEVYAVKGL
 ABC-A-8-1. 1305 GQVLKGGSG G----DALE FLYGCPQENA LNPMTILVQH LEVYAVKGL
 ABC-A-9-3. 1348 GQVLKGGSG G----EPLG FLYGCPQENA LNPMTILVQH LEVYAVKGL

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THE 2010s



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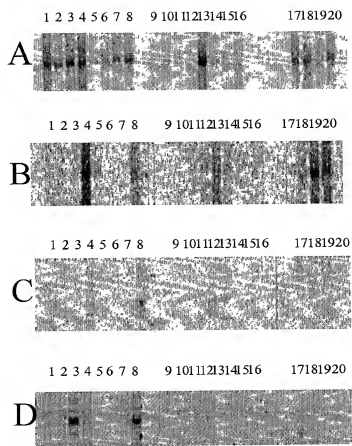
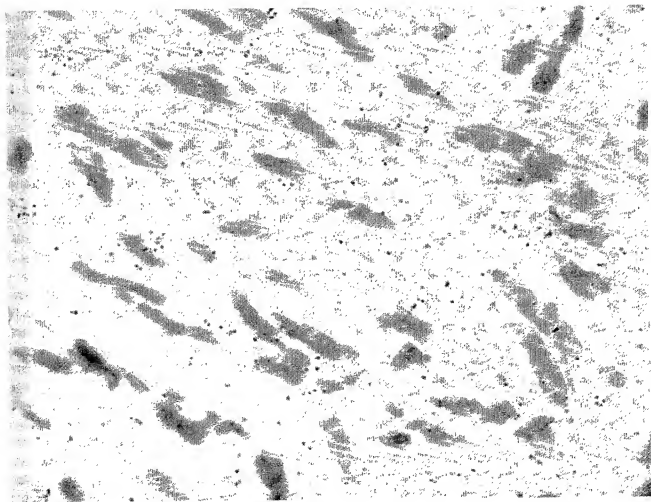


Figure 4

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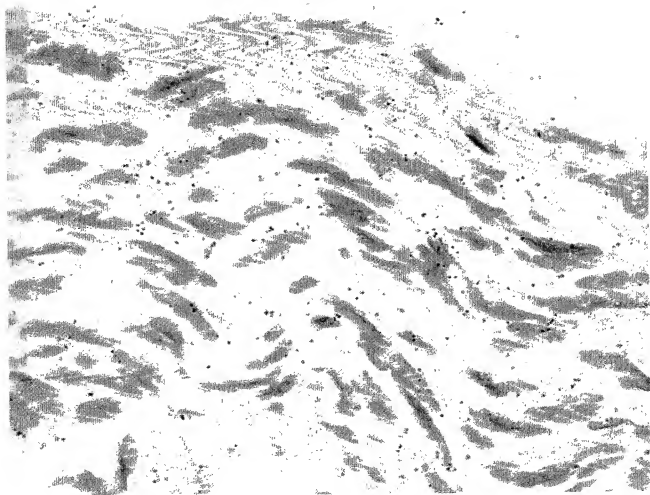
FIGURE 5



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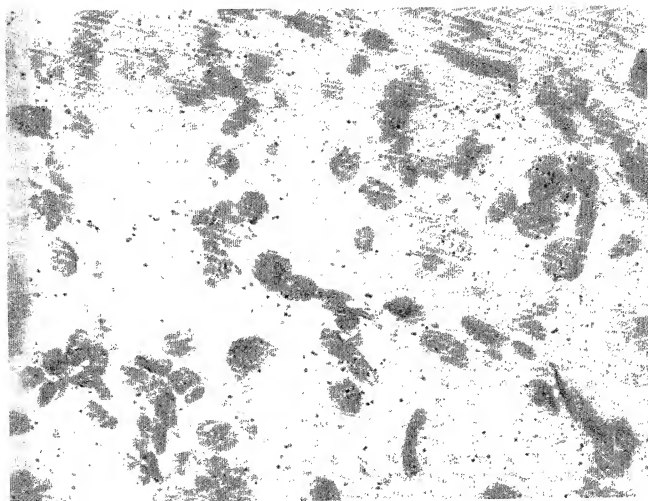
FIGURE 6



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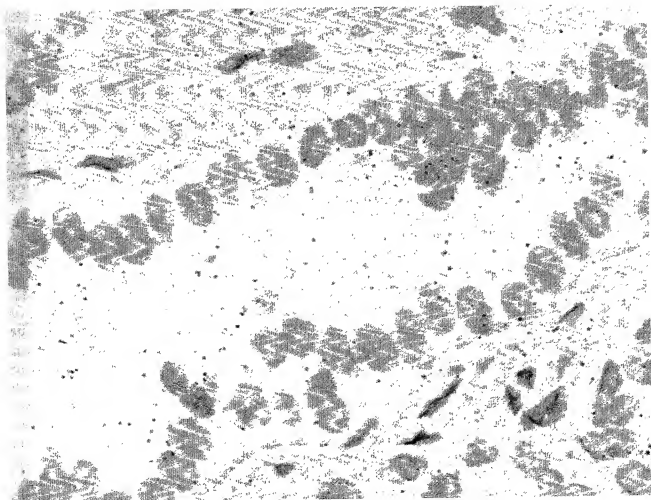
FIGURE 7



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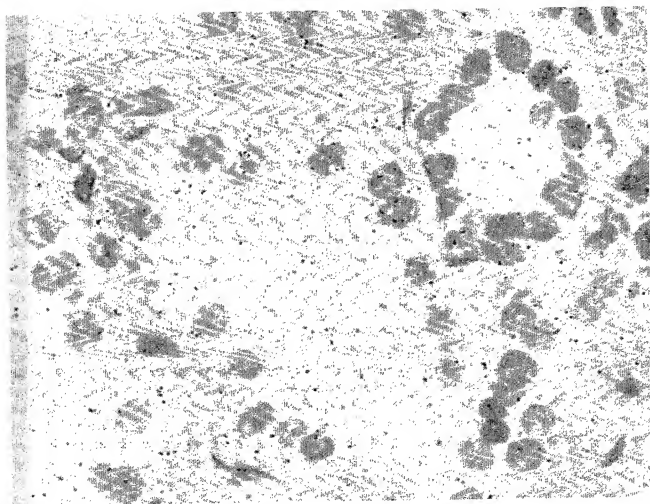
FIGURE 8



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FIGURE 9

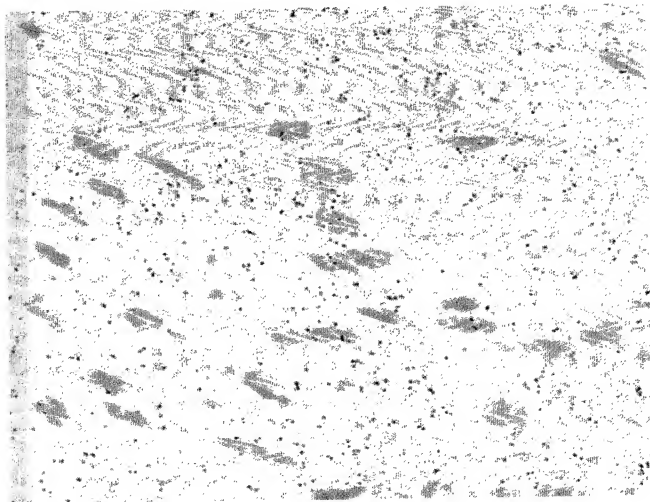


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FIGURE 10

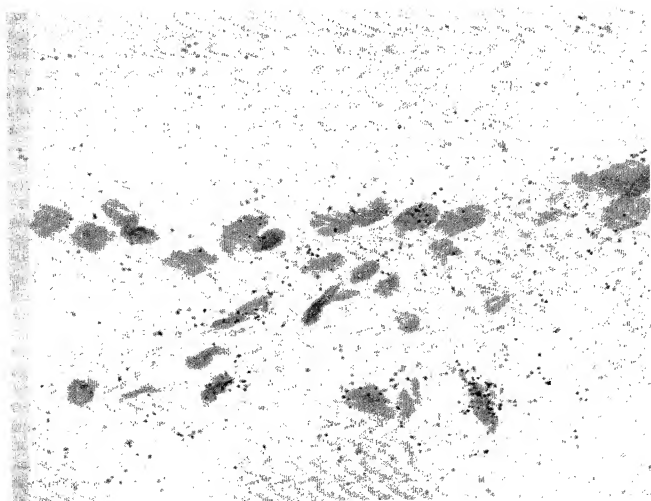
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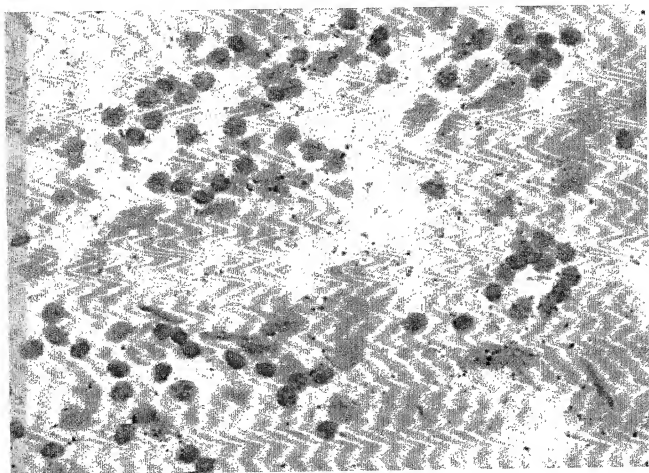
FIGURE 11

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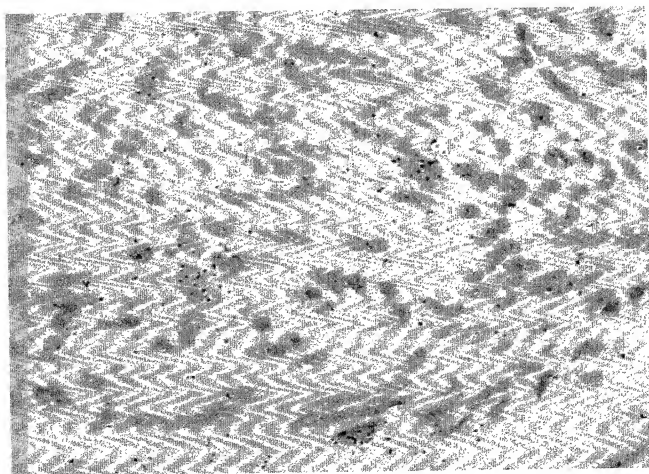
FIGURE 12



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FIGURE 13

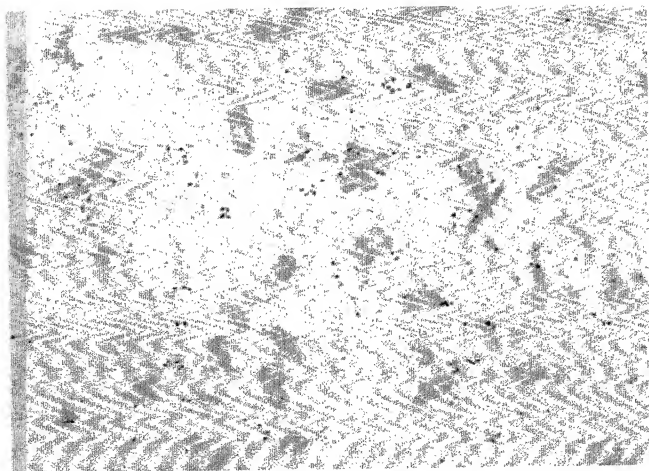


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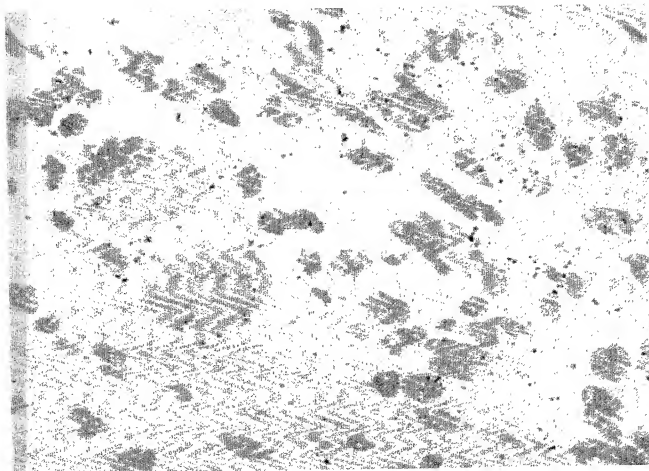
FIGURE 14

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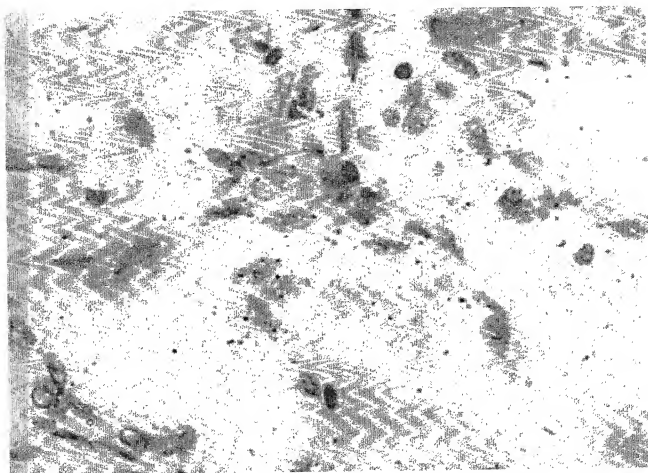
FIGURE 15



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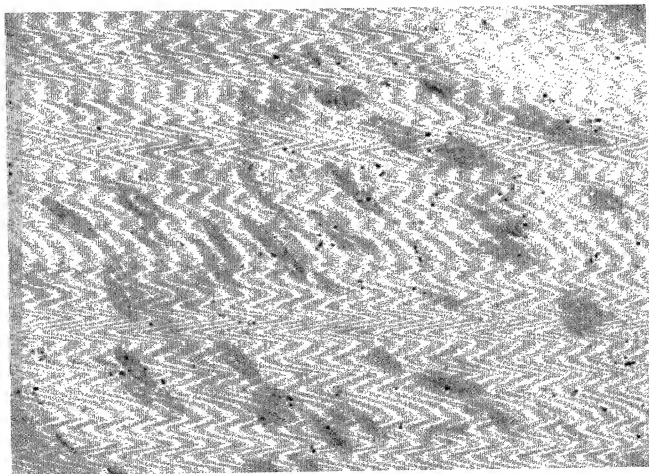
FIGURE 16



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FIGURE 17



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